

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  SP-P2087PC00	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No.  PCT/EP2004/052389	International filing date (day/month/year)  30/09/2004	(Earliest) Priority Date (day/month/year)  01/10/2003
Applicant  SPEEDEL EXPERIMENTA AG		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/052389

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07D211/42 C07D413/12 C07D401/12 A61K31/395

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97/09311 A1 (F. HOFFMANN-LA ROCHE AG, SWITZ.) 13 March 1997 (1997-03-13) cited in the application the whole document -----	1-10
Y	GULLER, ROLF ET AL: "Piperidine-renin inhibitors compounds with improved physicochemical properties" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS ; ISSN: 0960-894X, vol. 9, no. 10, 1999, pages 1403-1408, XP002317171 page 1404; compounds RAC-31 ----- -/-	1-10

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

17 February 2005

Date of mailing of the international search report

01/03/2005

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## INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/052389
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MARKI, H. P. ET AL: "Piperidine renin inhibitors: from leads to drug candidates" FARMACO , 56(1-2) ISSN: 0014-827X, 2001, pages 21-27, XP002317172 page 26; table 2; compounds 29-36 -----	1-3,5-8, 10
X	HELMESTE, D.M.; ET AL.: "Serotonin uptake inhibitors modulate intracellular Ca <sup>2+</sup> mobilization in platelets" EUROPEAN JOURNAL OF PHARMACOLOGY, vol. 288, 1995, pages 373-377, XP002317173 the compound "PAROXETINE" -----	1-3,6-8, 10
X	WO 00/64887 A (F. HOFFMANN-LA ROCHE AG) 2 November 2000 (2000-11-02) page 1, line 8 - page 2, line 8 the examples -----	1-3,5-10
P,X	WO 2004/002466 A (SPEEDEL PHARMA AG; RIEDL, JUTTA; KANNAH, SATISH; DIETERLE, WALTER) 8 January 2004 (2004-01-08) page 12; example H -----	1-3,5-10
E	WO 2004/089903 A (WARNER-LAMBERT COMPANY LLC; CODY, WAYNE, LIVINGSTON; EDMUNDS, JEREMY,) 21 October 2004 (2004-10-21) the whole document -----	1-10
A	WO 00/64873 A (F. HOFFMANN-LA ROCHE AG) 2 November 2000 (2000-11-02) the whole document -----	1-10
A	BURSAVICH, M.G.; ET AL.: ORGANIC LETTERS, vol. 3, no. 15, 2001, pages 2317-2320, XP002317174 the whole document -----	1-10
A	BURSAVICH, M.G.; ET AL.: ORGANIC LETTERS, vol. 3, no. 17, 2001, pages 2625-2628, XP002317175 the whole document -----	1-10
A	VIEIRA, E.; ET AL.: BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 9, 1999, pages 1397-1402, XP002317176 the whole document -----	1-10

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/052389

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  

Although claim 9 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/052389

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 9709311	A1	13-03-1997	AT 242213 T AU 708616 B2 AU 6743296 A BR 9610385 A CA 2230931 A1 CN 1202152 A CZ 9800684 A3 DE 59610509 D1 DK 863875 T3 EP 0863875 A1 ES 2201192 T3 HU 9900926 A2 IL 123293 A JP 11500447 T MA 23967 A1 NO 980954 A NZ 315677 A PL 325425 A1 PT 863875 T RU 2167865 C2 TR 9800409 T1 TW 474932 B US 6051712 A US 6150526 A ZA 9607424 A	15-06-2003 05-08-1999 27-03-1997 06-07-1999 13-03-1997 16-12-1998 14-10-1998 10-07-2003 01-12-2003 16-09-1998 16-03-2004 28-09-1999 24-06-2003 12-01-1999 01-04-1997 28-04-1998 28-02-2000 20-07-1998 31-10-2003 27-05-2001 21-05-1998 01-02-2002 18-04-2000 21-11-2000 07-03-1997
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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/052389

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0064873	A	JP 2002543063 T	17-12-2002
		MX PA01010934 A	06-05-2002
		NO 20015206 A	25-10-2001
		NZ 514981 A	27-02-2004
		PL 353442 A1	17-11-2003
		RU 2213731 C2	10-10-2003
		TR 200103095 T2	22-04-2002
	→	US 2002087002 A1	04-07-2002
	→	US 6376672 B1	23-04-2002
		ZA 200108735 A	23-01-2003